



## Base Station, Carrier Class, Point to Multi-Point

- Full Range of Base Stations and Subscriber products, suitable for Indoor and Outdoor Units.
- Suitable for Enterprise, SOHO and residential applications.
- Suitable for Enterprise, SOHO
- Adheres to IEEE 902.16-2004 standard
- Remote upgradeable
- Advanced management system



**The RWiMAX-5.8-BS-P2MP-j8 deployed with RADITEK's family of subscriber units is the most cost-effective WiMAX solution for delivering broadband wireless applications in outdoor environments.**

**Suitable for last-mile communication encompassing 3.5GHz licensed-band systems and 5.8GHz unlicensed band systems comprising a low-cost Base Station, centrally managed subscriber units, and an intuitive Management System.**

**The ease of installation of the complete system ensures low installation costs by personnel with little or no training.**

## Base Station, Carrier Class, Point to Multi-Point RWiMAX-5.8-BS-P2MP-j8

### SPECIFICATIONS

<b>RADIO</b>	
System Capatability	LOS, NLOS Point-to-Multipoint Cellular Architecture
RF Band	5.725 to 5.875 GHz
Channel Bandwidth	10 MHz
Frequency Resolution	5 MHz steps
Receiver Sensitivity	-89 dBm (BPSK1/2) -72dBm (64 QAM 2/3)
Modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Radio Access Method	TDD
RF Output Power	+17 dBm
RF Output Dynamic Range	30 dB
Typical Tx Constellation Error at maximum power	-30dB
Antenna	Selection of Omni and Sector Antennas
<b>DATA COMMUNICATIONS</b>	
RF	IEEE 802.16-2004
Data	IEEE 802.3 CSMA/CD
VLAN support	IEEE 802.1Q
Error Coding	Concatenated Reed-Solomon Convolution Code
<b>MULTI-SERVICE / MULTI-USER SUPPORT</b>	
Traffic Classification	ToS, Protocol, Address, Source Port, MAC Address, User Priority, VLAN ID
VLAN	Address, Mask, MAC Address, ToS type, Port, Rule Priority
<b>QoS—SCHEDULING</b>	
BE, rTPS	
<b>MANAGEMENT</b>	
Airsync™ Element Management System	Remote Monitoring, management, and provisioning
Protocol	TCP/IP
Airsync™ OSS—Upgradeable	Autonomous rules-based QoS
<b>HARDWARE SPECIFICATIONS</b>	
Ethernet	10/100 base-T (water tight RJ-45)
Power supply	Power over Ethernet (POE)
Power	15 W maximum
Dimensions	13" X 10 1/8" X 2 1/2" (33cm X 25.7cm X 6.4cm)
Weight	10 lbs (4.5kg)
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Operating Temperature	-35C to +50C
Weather rating	IP67 weathertight
<b>APPROVALS</b>	
FCC CFR 47 Part 15, Class B , ETSI 302 502, RoHS Compliant	
<b>WARRANTY</b>	
1 year parts and labor	